

Supplementary Tables

Table S1. Demographics, geographical distributions, and spectrum of diseases for the patients from the virtual 2020, F2F 2020, and F2F 2019 groups.

	Virtual 2020	F2F 2020	F2F 2019	P value ^a	P value ^b
Total/ person-time	9850	17546	98225		
Age/ median (IQR)	32 (21-49)	45 (28-59)	35 (19-59)	<0.001	<0.001
Age groups/ N (%)				<0.001	<0.001
<18	2069 (21.0)	2541 (14.5)	29,265 (29.8)		
18-34	3539 (35.9)	3885 (22.1)	19,281 (19.6)		
35-54	2643 (26.8)	5651 (32.2)	22,228 (22.6)		
>55	1599 (16.2)	5469 (31.2)	27,451 (27.9)		
Gender/ N (%)				<0.001	<0.001
Male	4600 (46.7)	9177 (52.3)	48,031 (48.9)		
Female	5250 (53.3)	8370 (47.7)	50,194 (51.1)		
Geographical distribution/ N (%)				<0.001	<0.001
GD Province among total	5572 (59.4)	14,050 (85.6)	73,619 (81.9)		
GZ City among GD Province ^c	1872 (33.6)	10112 (72.9)	47644 (65.9)		
Geographical distance/ km median (IQR)	340 (64.0-677)	2.66 (0.01-128)	2.65 (0.00-219)	0.009	0.520
Spectrum of diseases/N (%)					
Total N^e	7273	4532	53308		
Ocular surface diseases	1761 (24.2)	164 (3.6)	5583 (10.5)	<0.001	<0.001
Retinopathy	1644 (22.6)	1203 (26.5)	10,740 (20.1)	<0.001	<0.001
Glaucoma	1411 (19.4)	245 (5.4)	4943 (9.3)	<0.001	<0.001
Refraction	1028 (14.1)	491 (10.8)	13,895 (26.1)	<0.001	<0.001
Cataract	645 (8.9)	183 (4.0)	6867 (12.9)	<0.001	<0.001
Orbital disease & oculoplastics	281 (3.9)	623 (13.7)	3491 (6.5)	<0.001	<0.001
Trauma	277 (3.8)	1194 (26.3)	3993 (7.5)	<0.001	<0.001
Strabismus & amblyopia	226 (3.1)	429 (9.5)	3796 (7.1)	<0.001	<0.001

^aP value, comparison between virtual 2020 and F2F 2020 groups.

^bP value, comparison between F2F 2020 and F2F 2019 groups.

^c GD Province, Guangdong Province; GZ City, Guangzhou City.

^d Geographical distance was the relative distance to ZOC hospital and was calculated based on the registered address of each patient.

^e The spectrum of diseases were categorized by recorded diagnosis for the on-site patients, and were extracted from chatting records for the online patients. The Total N

represents the patients with the information for categorization and was calculated as the denominator for the proportions below.

The Wilcoxon-rank sum test was used for age and geographical distance; the Chi-square test was used for all other comparisons. $P < 0.05$ was considered to indicate a significant difference.